

**Southeast Toyota Distributors, LLC
Accessory Installation Instructions**

**2018 Tacoma
LED Fog Light & DRL 2in1**

Year & Model:	2018 Tacoma
Part Number:	00016-35061; 00016-35171
Accessory Code:	LD4000; LD4010
PIO / DIO:	PIO / DIO
Business Partner:	J55

Conflicts

- | |
|--|
| <ol style="list-style-type: none"> Vehicles w/o factory Fog Lights / Manual Transmission TRD Pro Model |
|--|

General Applicability

Fits Models	
1	2018 Automatic Units

Additional Items Required For Installation

Item#	Description:
1	N/A

Sequence of Application

Item#	Accessory:
1.	NA
<p>SPECIALNOTE: Installation Sequences After TMS & Safety mandated preparatory steps have been taken, the installation sequence is the suggested method for completing the accessory installation. In some instances the suggested sequence is written for one associate to install & in others the sequence is given as part of a team accessory installation. Unless otherwise stated in the document, the associates may perform the installation steps in any order to make the installation as efficient as possible while maintaining consistent quality.</p>	

Recommended Tools

Safety Tools	
Safety Glasses	
Electrical Tape	
Installation Tools	
	Notes
10mm Wrench	
Phillips Screw Driver	
Side Cutters	
Torque Wrench	48 in-lb
Special Chemicals	
3M Silicon Sealant	
Special Tools	
N/A	

Legend

	STOP: Damage to the vehicle may occur. Do not proceed until process has been complied with.
	OPERATOR SAFETY: Use caution to avoid risk of injury.
	CAUTION: A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.
	TOOLS & EQUIPMENT: Used in Figures calls out the specific tools and equipment recommended for this process.
	REVISION MARK: This mark highlights a change in installation with respect to previous issue.
	SAFETY TORQUE: This mark indicates that torque is related to safety.

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Kit/Hardware Bag Contents:

Item #	Quantity	Description
1.	1	Hood Wire harness
2.	1	Cabin Wire harness
3.	1	Relay
4.	25	Wire ties
5.	1	14" wire tie
6.	2	Black T-Taps

Parts for Installation:

Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation. These guidelines can be found in the “Accessory Installation Practices” document.

This document covers such items as:

- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, re-checking torque procedure, etc.).
- Vehicle Disassembly/ Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

Item #	Quantity	Description
1.	2	Fog + DRL Housings
2.	1	DRL Driver Box
3.	1	DRL Harness Bag
4.	1	DRL User’s Card
5.	1	DRL Switch



Image Key	Parts information		Warranty Information	
	Part Number	Description	Warranty Time	Labor Op. Code
N/A	00016-35061; 00016-35171	LED Fog Light and DRL 2in1	N/A	N/A
A	00016-00081-01	Left Light Assembly	0.7	ALF011 or ALD011
B	00016-00081-02	Right Light Assembly	0.7	ALF011 or ALD011
N/A	00016-32260-04	Fog Light Relay	0.4	ALF031
C	00016-32270-03	LED Wire Harness	1.0	ALD051
D	00016-35054-01	Large DRL Switch	0.3	ALD031
E	00016-32270-06	LED Driver Box	0.5	ALD041

Notes:

- 1) Combo code A is applicable to ALF011 or ALD011 when replacing both sides for additional 0.3 hours labor.
- 2) ALF011 applicable to LED fog light defective condition in 2in1. ALD011 applicable to LED Daytime Running Light condition in 2in1.

Labor times include consideration for diagnosis and Administration time

If you are a dealer located outside of the Southeast Region, please contact the SET Accessory Warranty Department at (888) 851-2722 or email Accessory.Warranty@SEToyota.com for claim payment instructions.

Image:

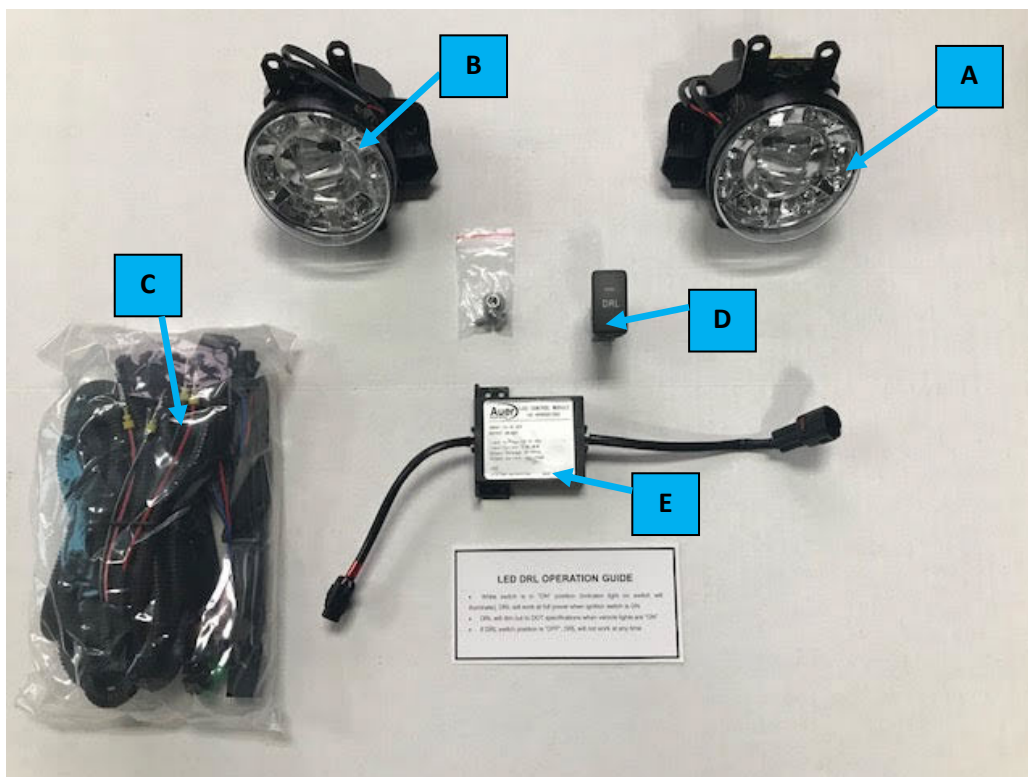




Figure 1

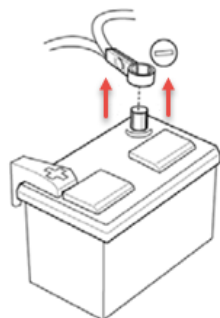


Figure 2



Figure 3

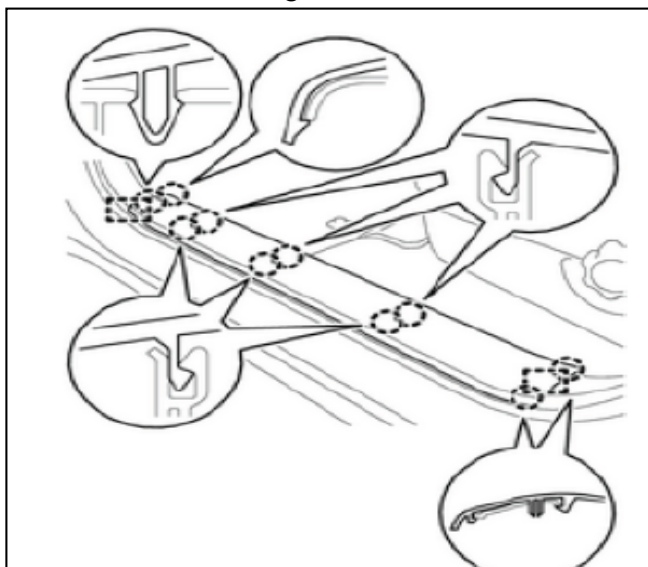


Figure 4


Vehicle Preparation and Installation

1. Remove negative battery cable. See Figures 1 & 2.



Note: Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SRS system. DO NOT touch the positive terminal.

2. From the front of the vehicle, lay the DRL's wire harness on the engine compartment, left side from the battery towards the firewall of the car.

3.  Locate the large vehicle harness grommet on the left side. If accessible, cut the auxiliary wiring access nipple off the grommet or cut 1/4" slit in grommet and push the red, black, black-white and red-white wires through firewall. Note: Extra caution should be taken not to damage the connector's pin. Seal with 3M Silicone sealant. See Figure 3.

4. Remove driver side door scuff plate. Disengage with panel tool and remove. See Figure 4.

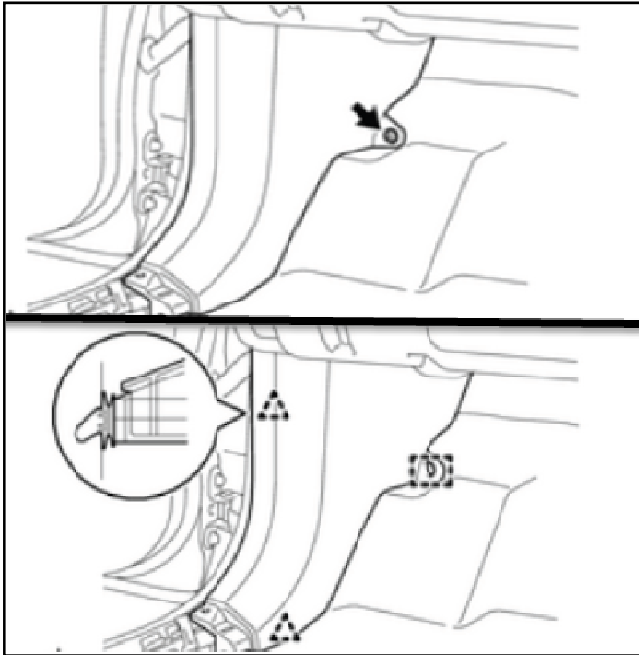


Figure 5

- Remove the driver side cowl side trim: Remove clip, and then disengage cowl plate. See Figure 5.



Figure 6

- Remove the dash panel on the left side of steering wheel. Dis-attach the hood release cable.

Note: Place red hang tag on instrument panel sub assembly **OR** hood release cable when removing hood latch cable from hood latch release lever. See Figure 6. Red Tag required for PIO only. Tag is not part of the kit.



Figure 7

- From inside the cabin, locate the wires that were pushed through in step 2. It will be the grommet by the left side of the driver side foot well. See Figure 7.

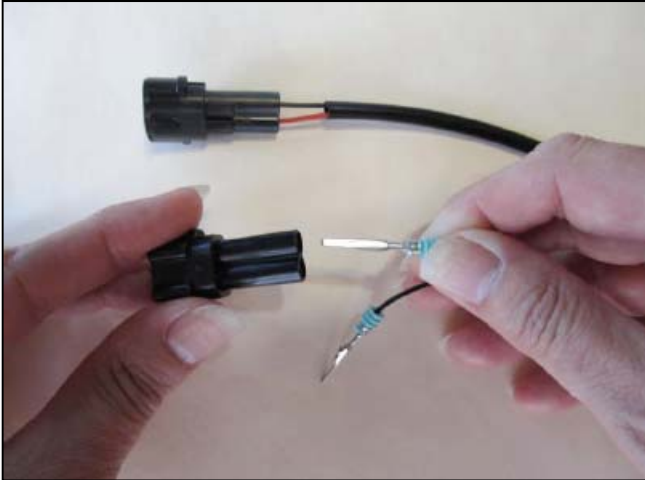


Figure 8

8. Route the wire harness to reach the left area of the steering wheel.
9. Push the pins into the connector supplied in kit. The plastic connects have a mark with a positive (+) and a negative (-) symbol. Push the red wires into the “+” symbol and the black wires into the “-“ symbol. See Figure 8.



Figure 9

10. Connect the driver box to the wires pushed into the connectors on step 9. Make sure wire colors are aligned: black with black and red with red.
11. Using a 14” wire tie, secure the driver box to next to the steering wheel column. See Figure 9.

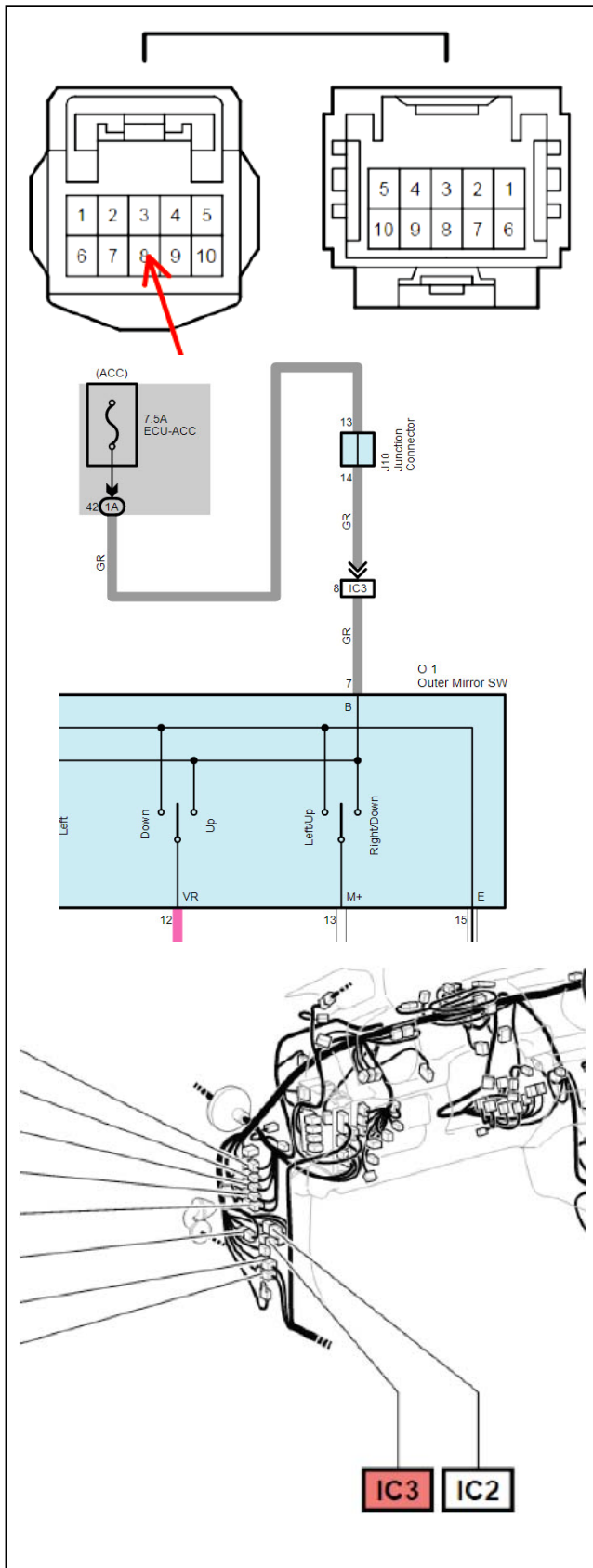
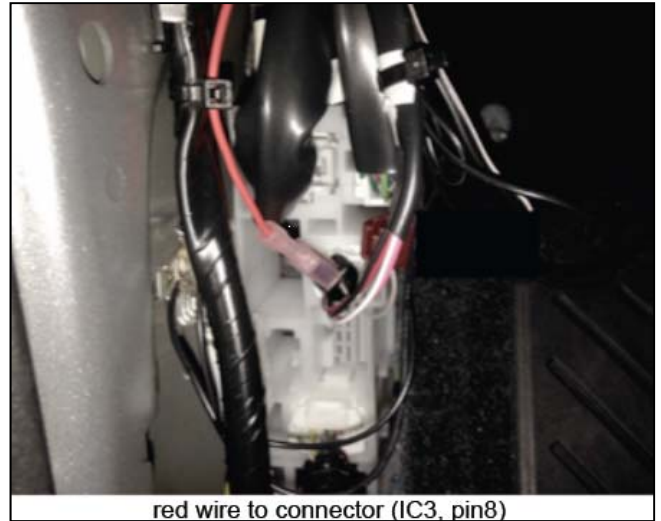


Figure 10a

- 12. Install a BLACK T-tap to connector IC3 pin 8, gray wire. IC3 is located at the kick panel. Then connect the red wire from DRL harness to the t-tap. See Figures 10a and 10b.



red wire to connector (IC3, pin8)

Figure 10b

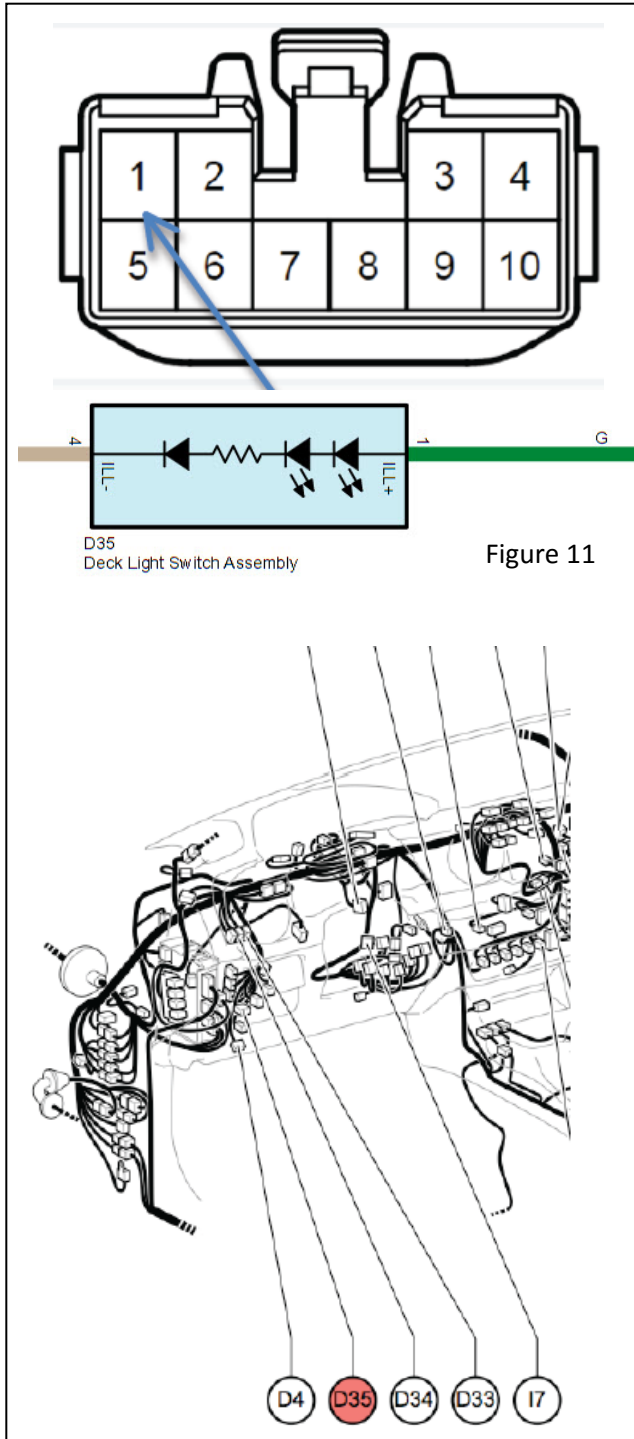
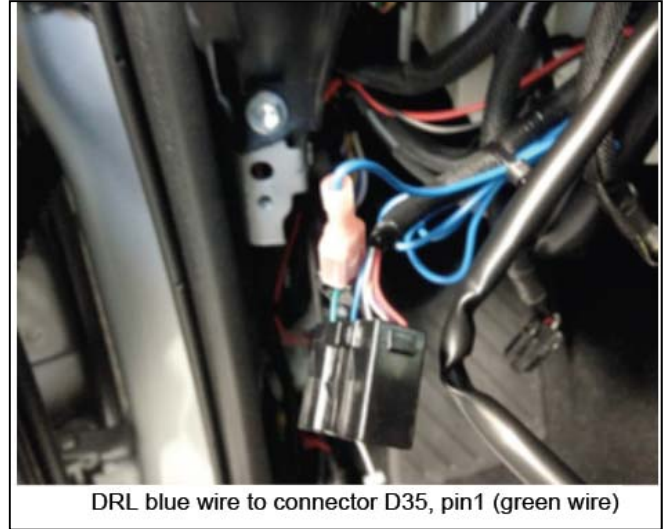


Figure 11

Figure 12

13. Install a BLACK T-tap to connector D35 pin 1, green wire. D35 is located at the back of the cargo light switch. Then connect the blue wire from DRL harness to the t-tap. See Figures 11, 12 & 13



DRL blue wire to connector D35, pin1 (green wire)

Figure 13

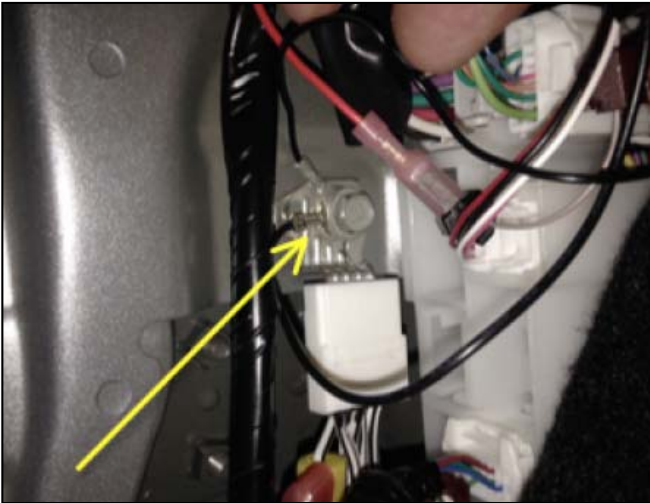


Figure 14

14. Secure ground (black) wire to bolt by the kick panel. See Figure 14.



Figure 15

15. Secure relay, fuse and any excess wire from t-taps to factory wire harness, next to driver box. See Figure 15.



Figure 16a

16. Use an empty switch knock out on left panel, next to the cargo light switch and mount switch into switch knock out. See Figures 16a and 16b.



Figure 16b

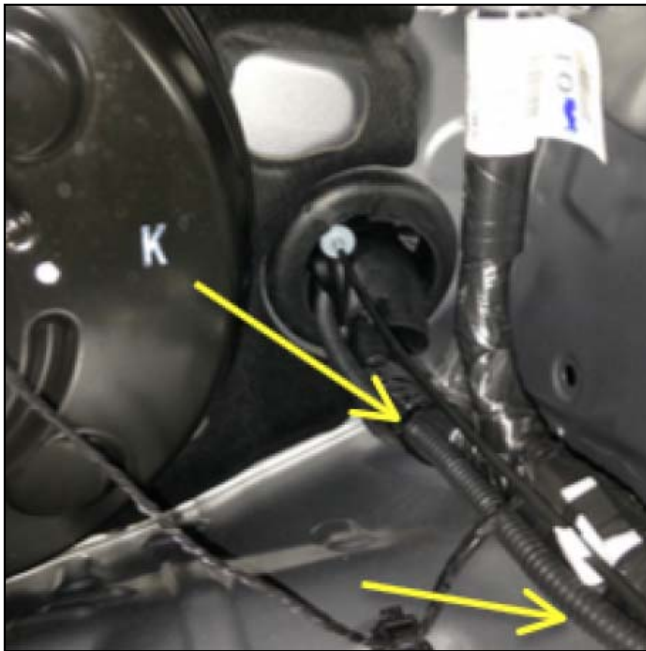


Figure 17

17. Plug DRL harness into switch.

18. Reinstall dash panels and connectors.

ENGINE COMPARTMENT

19. Using wire ties, secure the DRL's wire harness along the driver side of vehicle. See Figures 17, 18, and 19.

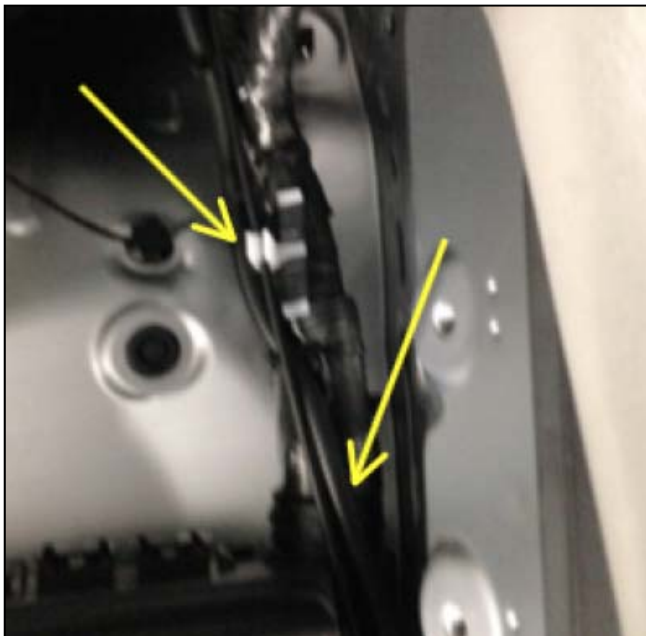


Figure 18b



Figure 19

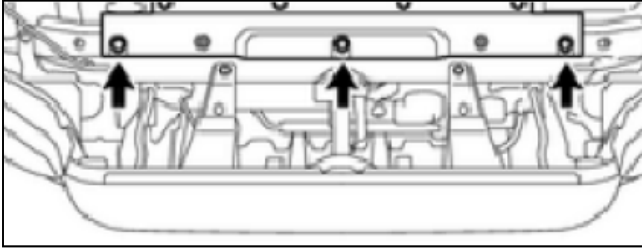


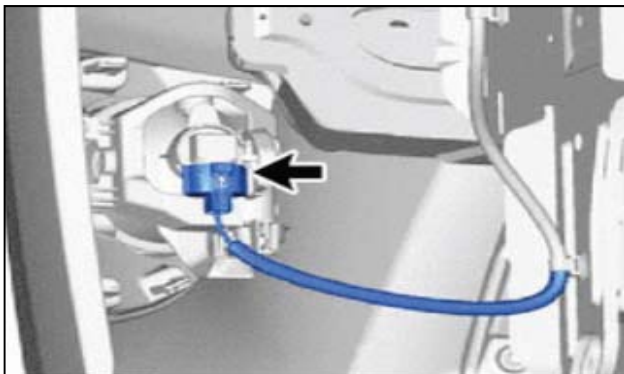
Figure 20

20. Remove the radiator cover shield. See Figure 20.



Figure 21

21. Run the wire harness to the right side on top of the radiator housing and secure with 3 wire ties to locations shown in Figure 21. Drop right side of the wire harness to reach behind headlamp compartment area.



22. Unplug the driver side factory fog light by accessing from up above the headlamp. Then remove the factory fog light. Remove Philip screw. DO NOT discard screw, as it will be used to mount 2in1 light. See Figure 22.

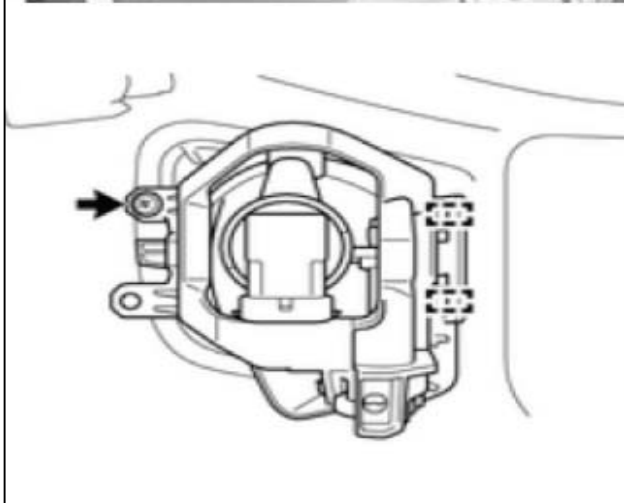


Figure 22

23. Repeat step 20 on passenger side.

24. Mount the LH and RH 2 in 1 Lights into bezels.



Figure 23



Figure 24

25. At the driver side, take the 2 in 1 light and plug the factory fog light connector into 2 in1 fog light terminal and then connect the DRL harness to the 2 in 1 light DRL terminal. See Figure 23.

26. Repeat process for passenger side.

27. Secure excess wires at both sides with wires ties. See Figure 24.

28. Reinstall all panels and radiator grill.

29. Print Warranty Statement and place in glove box, DIO only.

30. REINSTALL ALL TRIM PANELS IN THE ORDER OF REMOVAL TAKING SPECIAL CARE TOMAKE SURE ALL HARNESSSES AND WIRING ARE PROPERLY SECURED. MAKE SURE HARNESSSES ARE NOT PINCHED OR BOUND BY TRIM PIECES.

31. RECONNECT NEGATIVE BATTERY CABLE AND TORQUE.



Torque 48 in-lbs

Fog Light Aiming

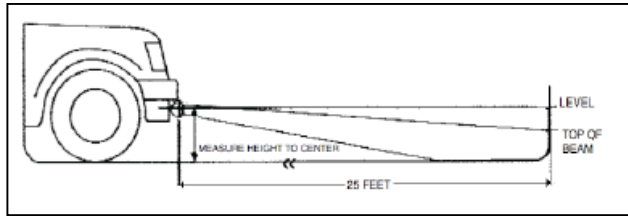


Figure 25

32. Traditional fog lights are usually mounted in the front bumper about 10-24 inches from the ground. There are two important issues to address when installing fog lights: the first is to minimize the amount of return glare into the driver's eyes, and the other is to minimize the glare into oncoming eyes. Both of these issues must be accomplished while putting as much light as possible on the road. These fog weather light aiming instructions are suggestions taken from common practice and the S.A.E. standard J583. Some modifications to these instructions may be necessary to minimize glare. Visual aim is made with the top of the beam 4 inches below the lamp center at 25 feet with the lamp facing straight forward. See Figure 25.




Use only hand tools to adjust the fog light aiming screw. DO NOT use automatic tools, as they will damage the fog light.

FUNCTION AND QUALITY CHECK

1. DRL will work at full power when ignition switch is ON. DRL will dim out to DOT specifications when lights are ON.
2. If DRL switch position is off, DRL will not work at any time.

ACCESSORY FUNCTION CHECK:

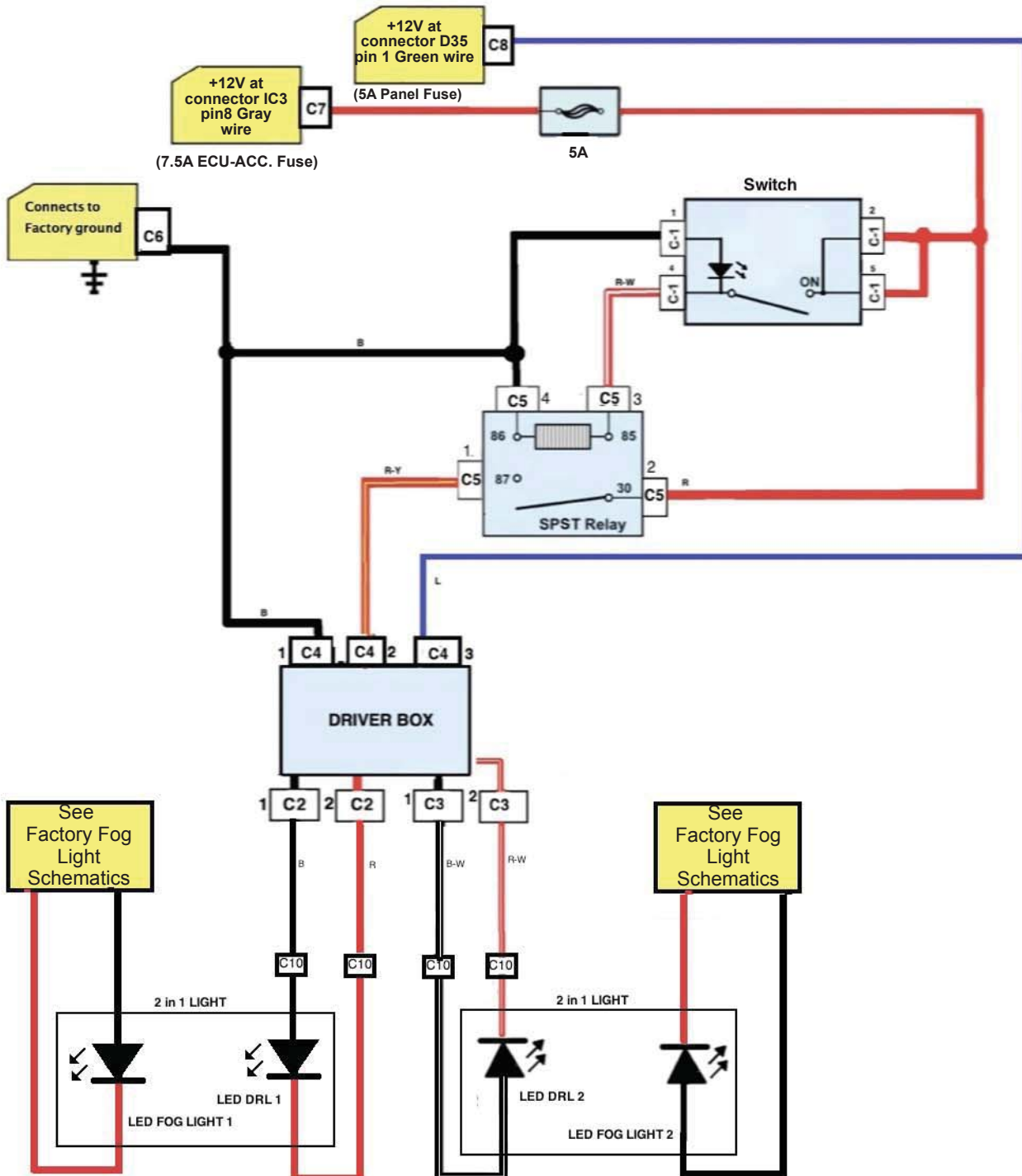
LOOK FOR:

- ✓ DRL function
- ✓ Fog Lights function
- ✓ All Panels snapped into place Loose panels and switches.
- ✓ Fog Lights Visually confirm lights are straightforward.
- ✓ Battery Terminal  Re-torque battery terminals.
- ✓ Operation Guide Place DRL operation guide inside glove box.

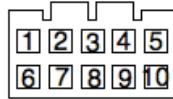
VEHICLE FUNCTION CHECK:

- ✓ Check functions all switch functions
- || ✓ Hood Release Cable
- ✓ Warranty Statement Place Warranty Statement in the glove box, DIO only.

Block Diagram
LED DRL + LED Fog Light 2in1
Tacoma 201,
Ver. 09.11.2015



Connector C-1



Pin	Wire Color	Test Reference	Proper Operation
1	Black	Pin 1 to Ground	Approximately 0 VDC
2	Red	Pin 2 to Ground	Approximately 0 VDC ignition switch is OFF +12 VDC when ignition switch is ON
4	Red-White	Pin 4 to Ground	Approximately 0 VDC ignition switch is OFF Approximately 0 VDC ignition switch is ON, DRL switch is OFF +12 VDC when ignition switch is ON and DRL switch is ON
5	Red	Pin 5 to Ground	Approximately 0 VDC ignition switch is OFF +12 VDC when ignition switch is ON

Connector C-2, C-3



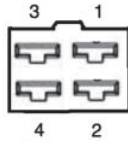
Pin	Wire Color	Test Reference	Proper Operation
1	Red or Red-White	Pin 1 to Ground	Aproximately 0 VDC when ignition switch is OFF Aproximately 0 VDC when ignition switch is ON, DRL switch is OFF Aproximately +18 to +24 VDC when ignition switch is ON, DRL switch is ON
2	Black or Black-White	Pin 2 to Ground	Aproximately 0 VDC

Connector C-4



Pin	Wire Color	Test Reference	Proper Operation
1	Black	Pin 1 to Ground	Aproximately 0 VDC
2	Red-Yellow	Pin 2 to Ground	Approximately 0 VDC ignition switch is OFF Approximately 0 VDC ignition switch is ON, DRL switch is OFF +12 VDC when ignition switch is ON and DRL switch is ON
3	Blue	Pin 3 to Ground	Aproximately 0 VDC dash panel lights are OFF +12 VDC when dash panel lights are ON

Connector C-5



FEMALE TERMINAL VIEW

Pin	Wire Color	Test Reference	Proper Operation
1	Red-Yellow	Pin 1 to Ground	Approximately 0 VDC ignition switch is OFF Approximately 0 VDC ignition switch is ON, DRL switch is OFF +12 VDC when ignition switch is ON and DRL switch is ON
2	Red	Pin 2 to Ground	Approximately 0 VDC ignition switch is OFF +12 VDC when ignition switch is ON
3	Red-White	Pin 3 to Ground	Approximately 0 VDC ignition switch is OFF Approximately 0 VDC ignition switch is ON, DRL switch is OFF +12 VDC when ignition switch is ON and DRL switch is ON
4	Black	Pin 3 to Ground	Aproximately 0 VDC

Connector C-6



Pin	Wire Color	Test Reference	Proper Operation
1	Black	Pin 1 to Ground	Aproximately 0 VDC

Connector C-7



Pin	Wire Color	Test Reference	Proper Operation
1	Red	Pin 1 to Ground	Aproximately 0 VDC when ignition switch is OFF +12 VDC when ignition switch is ON

Connector C-8



Pin	Wire Color	Test Reference	Proper Operation
1	Blue	Pin 1 to Ground	Approximately 0 VDC dash panel lights are OFF +12 VDC when dash panel lights are ON

Connector C-10



Pin	Wire Color	Test Reference	Proper Operation
1	Black	Pin 1 to Ground	Aproximately 0 VDC
2	Red	Pin 2 to Ground	Approximately 0 VDC when ignition switch is OFF Approximately 0 VDC when ignition switch is ON, DRL switch is OFF Approximately +18 to +24 VDC when ignition switch is ON, DRL switch is ON



LIMITED WARRANTY – SOUTHEAST TOYOTA

SOUTHEAST TOYOTA DISTRIBUTORS, LLC (“we,” “our” and “us”) provides the following limited warranty on our accessories, excluding tires, (“Accessories” or “Accessory”) installed on a Toyota. This limited warranty is not provided by and does not bind or provide benefit to the vehicle dealer, the manufacturer, or Toyota Motor Sales, U.S.A., Inc. This limited warranty does not apply to tires; please consult the tire manufacturer and/or its materials accompanying the vehicle for any warranty terms concerning tires. This limited warranty also does not apply to ToyoGuard Exterior Paint Sealant and ToyoGuard Interior Protector; please consult the ToyoGuard Limited Warranty Certificate for the warranty terms concerning those products.

SCOPE OF LIMITED WARRANTY:

A. Protection:

- i. **Accessories Installed by Southeast Toyota Distributors, LLC on a new Toyota vehicle.** We warrant that, for a period of 36 months or 36,000 miles, whichever occurs first, we will repair or replace (includes labor), free of charge, any defect in such an Accessory due to faulty material or workmanship, or, at our option, provide a full refund of the purchase price of the Accessory. The warranty period begins on the vehicle’s In-Service Date, which is the first date the new vehicle is either delivered to an ultimate purchaser, leased, or used as a company car or demonstrator. Accessories installed by Southeast Toyota Distributors, LLC are identified on the vehicle’s window sticker (Monroney Label).
- ii. **Accessories Installed by a Toyota Dealer on a Toyota vehicle.** We warrant that, for 12 months, regardless of mileage, from the date such an Accessory was installed on the vehicle or the remainder of the Toyota new vehicle warranty, whichever is longer, we will repair or replace (includes labor), free of charge, any defect in the Accessory due to faulty material or workmanship, or, at our option, provide a full refund of the purchase price of the Accessory. For a new vehicle, the warranty period begins on the vehicle’s In-Service Date, which is the first date the new vehicle is either delivered to an ultimate purchaser, leased, or used as a company car or demonstrator.
- iii. **Accessories purchased from a Toyota Dealer but not installed by the Toyota Dealer.** We warrant that, for a period of 12 months, regardless of mileage, from the date the accessory was purchased, we will repair or replace (does not include labor), free of charge, any defect in the Accessory due to faulty material or workmanship, or, at our option, provide a full refund of the purchase price of the Accessory.

B. Limitation of Warranty. This limited warranty does not apply to, and we will not repair, replace, or reimburse you for: (1) wheel balancing and wheel alignments, except for one wheel balancing or alignment during the first 12 months or 12,000 miles, whichever occurs first, from the vehicle’s In-Service Date, as defined above, (2) abrasions or dents, whatever their cause, and any failure or damage resulting directly or indirectly from accidents, collisions, impacts from foreign objects, fire, theft, larceny, explosion, malicious mischief, vandalism, civil commotion, riots, war, or any other similar causes, (3) any failure or damage resulting directly or indirectly from lightning, windstorms, hail, water, floods, subfreezing temperatures, airborne chemicals, tree sap, dust, salt, and any other environmental conditions or similar causes, (4) any failure or damage caused by: (a) a failure of any part, other than the Accessory, (b) any misuse, abuse, improper towing, negligence or lack of maintenance of the vehicle or Accessory, (c) the alteration, modification or repair of the Accessory by anyone other than persons expressly authorized by us to perform such alteration, modification or repair, or (d) the use of the vehicle for commercial purposes, competitive driving or racing, (5) any failure or damage, if the Accessory has not been installed according to instructions, (6) any failure or damage occurring outside of Canada, the United States of America, its territories or possessions, (7) except to the extent required by the state whose laws govern this limited warranty, any consequential, secondary, or unreasonable costs that may be suffered as a result of the need to repair or replace the Accessory, including without limitation any loss of use of the vehicle, road service, towing, storage charges, inconvenience, loss of wages and/or income, additional expense incurred, loss of transportation, rental car expense, or any derivative damage to persons or things other than the Accessory, including other parts of the vehicle, or (8) liability for damage to property or for injury to or death of any person, arising out of the operation, maintenance or use of your vehicle whether or not related to the covered Accessory.

C. Exclusive Remedy. If there is a valid claim under this limited warranty for a defect due to faulty material or workmanship in the Accessory, we will, at our option, either: (i) repair, (ii) replace or (iii) provide a full refund of the purchase price of the Accessory. We have no other obligations under this limited warranty. Refunds will be made to the vehicle owner. If the vehicle is leased, the refund will be made to the leasing company.

HOW TO MAKE A CLAIM: In the event of a warranty claim, please contact the nearest Toyota dealer to arrange for repairs. The dealership must receive our prior authorization before making repairs covered by this limited warranty. The dealer will contact Southeast Toyota Distributors, LLC at 1-888-851-2722, select option #5 (Warranty Department), then option #4 (Repairs), for instructions on processing a warranty claim, if they are not already familiar with the process. If you have any questions or concerns regarding repairs covered by this limited warranty, please contact our Customer Assistance Hotline at 1-800-301-6859.

OUR DISPUTE RESOLUTION PROGRAM: Your satisfaction is our highest priority. In keeping with that focus, in the event that an issue arises related to this Limited Warranty, we invite you to call our Customer Assistance Hotline at 1-800-301-6859 to discuss it. In most cases, we expect that a satisfactory resolution of your issue can be reached through engagement with that Department. If our Customer Loyalty Department is unable to resolve your issue to your satisfaction, we offer a dispute resolution program administered by the National Center for Dispute Settlement (NCDS) (“the Program”). The purpose of the Program is to resolve disputes in an informal setting before an impartial arbitrator. The Program is free of charge to you (although you must bear the cost of any expert witness or attorney you elect to employ). You are required to complete the Program before exercising rights or seeking remedies under the federal Magnuson-Moss Warranty Act, 15 U.S.C. § 2301 et seq. (“the Act”). If you choose to seek remedies that are not created by the Act, you are not required to use the Program before pursuing such remedies – although the Program is still available to you to resolve the dispute. When utilizing the Program, you will need to provide (a) the vehicle identification number of your vehicle, (b) the identity of your selling and servicing dealerships, (c) the mileage on your vehicle at relevant times, (d) the date and nature of any relevant repairs, (e) legible copies of repair orders and other relevant documents, (f) a summary of the unresolved issue and the requested action, and (g) your contact information. In most cases, the dispute resolution process under the Program will be completed within forty (40) days of your submission of your request and will consist of steps such as an initial eligibility determination, an opportunity for you and us to submit information in writing relating to your claim, an oral hearing, and a decision from the arbitrator. A decision will be binding on you only if you choose to accept it. You may submit a request to NCDS by telephone at their toll free number: (877)-276-8848 or in writing at P.O. Box 463196, Mt. Clemens, MI 48046. You may obtain additional information regarding the Program at www.ncdsusa.org. In the event that the NCDS does not exist or no longer handles disputes for us at the time that you seek to submit a request, you may contact our Customer Assistance Hotline at 1-800-301-6859 to obtain current information about our dispute resolution programs.

GENERAL LIMITATION OF WARRANTY: THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES OR LIABILITIES. IN NO EVENT SHALL WE BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY. SOME STATES DO NOT ALLOW THE EXCLUSIONS OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE INFORMATION OR EXCLUSION MAY NOT APPLY. NO EXPRESS WARRANTY OF FITNESS OR MERCHANTABILITY IS GRANTED BY THIS LIMITED WARRANTY. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THOSE DESCRIBED IN THIS DOCUMENT. ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH MAY BE APPLICABLE BY OPERATION OF LAW SHALL BE LIMITED TO THE PERIOD OF THIS WRITTEN LIMITED WARRANTY. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY. THIS LIMITED WARRANTY PROVIDES SPECIFIC LEGAL RIGHTS, AND THERE MAY BE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, MUST BE BROUGHT WITHIN A PERIOD NOT EXCEEDING 12 MONTHS AFTER EXPIRATION OF THIS LIMITED WARRANTY. THE REMEDIES SPECIFIED HEREIN AND THOSE SPECIFIED BY APPLICABLE LAW ARE THE ONLY REMEDIES AVAILABLE. WE ASSUME NO OTHER OBLIGATION OR RESPONSIBILITY WITH REGARD TO THE ACCESSORY. WE NEITHER ASSUME, NOR AUTHORIZE ANYONE TO ASSUME FOR US, ANY ADDITIONAL LIABILITY IN CONNECTION HERewith.

GENERAL: This limited warranty describes the complete and exclusive rights that result from the purchase of Accessories. No oral representations or statements may be relied upon. This limited warranty may not be amended or modified, and additional rights may not be granted, unless in a written statement signed by one of our officers. This limited warranty shall be governed by the laws of the state where the vehicle is purchased, excluding laws concerning conflicts of law. We may delegate the performance of our duties and obligations and assign our rights and benefits hereunder. For inquiries regarding this limited warranty, we can be contacted directly at **Customer Assistance Hotline at 1-800-301-6859**, or by mail to: **Southeast Toyota Distributors, LLC, Attention: Customer Loyalty Department, 100 Jim Moran Boulevard, Deerfield Beach, Florida 33442.**